	REVISIONS:					23-28 Creek Drive				SEED MIXES	
ГΕ	DESCRIPTION	BY	PLANT SCI	HEDULE	PHASE ONE	Beacon				lbs	ERNMX-105
5/18	REVISED PER PLANNING BOARD COMMENTS	AJS	Created and	compiled by D.	Adamsons December 15 2018					lbs	ERNMX-120
2/19	REVISED PER PLANNING BOARD COMMENTS	AJS	QUANTITY	KEY	BOTANIC NAME	COMMON NAME	SIZE	Planting Time	AREA	lbs	ERNMX-126
6/19	REVISED PER PLANNING BOARD COMMENTS	AJS	<u>FERNS</u> _							103	LINIVIX-120
/19	REVISED PER PLANNING BOARD COMMENTS	AJS	Trays Trays	F-DP F-DI	Dennstaedtia punctilobula Dryopteris intermedia	Hay-scented fern Evergreen Wood Fern	Plugs Plugs	Spring Fall Spring Fall	NM,CBE,CBW CBE	lbs	ERNMX-132-1
			Trays	F-OC	Osmunda cinnamomea	Cinnamon Fern	Quarts	Spring Fall	WR,CBE		
			Trays	F-PA	Polystichum acrostichoides	Christmas Fern	Plugs	Spring Fall	BE,NM,CBW,CBE	lbs	ERNMX-140
			<u>GRASSES</u>	0.40		n' ni	D.I		DE AUA (CD)A/	lbs	ERNMX-153-1
			Trays Trays	G-AG ECO-LAWN	Andropogon gerardii Buchloe dactyloides 'Texoka'	Big Bluestem Eco Lawn	Plugs Seed	Spring Summer Spring Summer	BE,NM,CBW BE		
			Trays	G-CA	Carex appallachica	Appallachian Sedge	Plugs	Spring Summer	BE,CBW,CBE,WR	lbs	ERNSMX-155
_			Trays	G-CB	Carex bromoides	Bromlike Sedge	Plugs	Spring Summer	BE,CBE,CBW,WR	lbs	ERNMX-180-1
			Trays	G-CP	Carex pensylvanica	Sedge	Plugs	Spring Summer	BE,CBE,CBW,WR	103	EMMIN 100 1
			Trays	G-CL	Chasmanthium latifolia	Northern Sea Oats	Plugs	Spring Summer	BE,CBE,CBW,HCS	lbs	ERNMX-181-1
			Trays	G-PV	Panicum virgatum	Indian Switchgrass	Plugs	Spring Summer	BE,NM,HCS	II	EDNINAV 404 (
			Trays	G-SS	Schizachyrium scoparium	Little Bluestem	Plugs	Spring Summer	BE,NM,HCS	lbs	ERNMX-181-2
			HERBACEOUS	_	Acalonias in serve star	Curama Millana	DI=-	Corina Com-	WD	lbs	ERNMX-183
			Trays Trays	H-AT H-AI	Asclepias incarnata Asclepias tuberosa	Swamp Milkweed Butterfly MilkWeed	Plugs Plugs	Spring Summer Spring Summer	WR NM,CBE,CBW		
			Trays	H-AT	Amsonia tabernaemontana	Common Bluestar	Plugs	Spring Summer	WR, NM	lbs	ERNMX
			Trays	H-A	Asters	Aster(NY and Woodland)	Plugs	Spring Summer	WR, NM	lbs <i>AREA LEGEND</i>	ERNMX
			Trays	H-IC	Iris cristada	Crested Iris	Plugs	Spring Summer	WR	ANLA LEGEND	
			Trays Trays	H-PR H-S	Polemonium reptan Solidago	Jacob's Ladder Goldenrod	Plugs Plugs	Spring Summer Spring Summer	WR, NM WR,NM		
			Trays	H-T	Trillium	Trillium	Plugs	Spring Summer	WR	DE	Building
			Trays	H-V	Viola	Violet	Plugs	Spring Summer	WR,BE,CBE,CBW	BE	Envelope Conservation
			<u>SHRUBS</u>	S-AF	Amorpha fructicosa	Indigo Ruch	E gol	Spring Fall	WR,CBE,CBW		Buffer EAST
				S-AF S-AA	Amorpha fructicosa Aronia arbutifolia	Indigo Bush Red Chokeberry	5 gal 3 gal	Spring Fall Spring Fall	WR,BE		of
				S-AM	Aronia melanocarpa	Black Chokeberry	3 gal	Spring Fall	WR,BE	CDE	GT(Greenway
				S-CP	Comptonia peregrina	Sweetfern	1 gal	Spring Fall	ALL	CBE) Conservation
				S-DL S-Hvi	Diervilla lonicera Hamamelis virginiana	Bush Honeysuckle Witch Hazel	3 gal	Spring Fall	WR,NM,CBE,CB		Buffer WEST
				S-HVI	llex glabra	Inkberry	10 gal 10 gal	Spring Fall Spring Fall	CBE,CBW BE,CBW,		of
					J	,	J	. 3	WR,CNE,CBW,N	CDVA	GT(Greenway
				S-Ivf	Ilex verticcilata female	Winterberry	7 gal	Spring Fall	M	CBW)
				S-Ivm	llex verticcilata male	Winterberry	7 gal	Spring Fall	WR,CBE,CBW,N M		Half Circle
				S-IVIII	Lindera benzoin	Spicebush	7 gai 10 gal	Spring Fall	WR	HCS	Seating Area
				S-MP	Myrica pensylvanica	Bayberry	5 gal	Spring Fall	WR,BE,NM		Matina
<u>:</u> }	HING & LANDSCAPE LEGEND			S-RA	Rhus aromatica	Aromatic sumac	3 gal	Spring Fall	BE,NM,HCS	NM	Native Meadow
	CONCRETE SIDEWALK			S-RC S-RO	Rosa carolina Rubus odoratus	Carolina Rose Flowering Raspberry	3 gal 3 gal	Spring Fall Spring Fall	CBE,CBW,NM CBE,NM,WR	. • • • • • • • • • • • • • • • • • • •	
	ASPHALT PAVING			5 NO	nabas odolutus	Howeinig Nasphelly	J gai	Spring rail	WR,NM,CBE,CB		
	GRAVEL PATH (STEEL EDGING)			S-XS	Xanthorhiza simplicissima	Yellowroot	Plugs	Spring Fall	W	WD	Wetland Postoration
	CONSERVATION BUFFER - WEST		<u>TREES</u>	T A D	Abias balance	Deleger Fire	r =1	Coning F-U	CDVA/ NIN 4	WR	Restoration
C	CONSERVATION BUFFER — EAST			T-AB T-AR	Abies balsamea Acer rubrum	Balsam Fir Red Maple	5-7' 5-7'	<u>Spring Fall</u> Spring Fall	CBW,NM WR,BE		
WE"	TLAND RESTORATION AREA			T-AC	Amelanchier canadensis	Serviceberry	5-6'	Spring Fall	WR,CBE,CBW,BE		
NATI'	IVE MEADOW			T-BL	Betula lenta	Black Birch	4-5'	Spring Fall	WR,CBW		
IN!	IDIAN SWITCHGRASS (G-PV)			T-BP	Betula populifolia	Grey Birch	4-5'	Spring Fall	ALL		Г
	CUSTOM GRASS MIX - (ERNMX-CUS1)			T-CC T-CT	Carpinus caroliana Chamaecyparis thyoides	American Hornbeam Atlantic White Cedar	5-7'	Spring Fall Spring Fall	CBW,CBE WR		
	SEDGE (G-CP)			T-CF	Cornus florida	Flowering Dogwood	5-7'	Spring Fall	BE,NM		
3	EVERGREEN SHRUB (S-IG)			T-CP	Crataegus phaenopyrum	Washington Hawthorn	5-7'	Spring Fall	BE		
	BIO-RETENTION AREA MIX			T-IO	Ilex opaca	American Holly	5-7'	Spring Fall	BE,CBW		
				T-JV T-NS	Juniperus virginiana Nyssa sylvatica	Eastern Red Cedar Blackgum	5' 6-7'	Spring Fall Spring Fall	BE,NM BE,NM		
F T-X	PROPOSED NEW ORNAMENTAL NATIVE TREE			T-NS T-OV	Ostrya virginiana	Eastern Hop-Hornbeam	6- <i>7</i> 5-7'	Spring Fall	WR		
	PROPOSED NATIVE EVERGREEN			T-PR	Picea rubens	Red Spruce	5-9'	Spring Fall	BE,CBW		Γ
) 24"	EXISTING TREE TO REMAIN (WITH			T-PV	Pinus virginiana	Scrub Pine	5-9'	Spring Fall	BE,CBW		
	CALIPER)			T-PO	Plantanus occidentalis	American Sycamore	7'	Spring Fall	WR NM,WR,CBE,CB		
	RE-FORESTATION / REPAIR PLANTINGS: BIRCH - BEECH - MAPLE SAPLINGS			T-PA	Prunus serotina	Wild Black Cherry	3-4'	Spring Fall	W		
				T-SD	Salix discolor	Pussy Willow	5'	Spring Fall	WR,CBE		
				T-QI	Quercus ilicifolia	Scrub Oak	8-10'	Spring Fall	NM,BE		
				T-VP	Viburnum prunifolium	Blackhaw	6-7'	Spring Fall	NM		<u> </u>
			VINES								

Native Meadow Seed/Plug April-October WR Northeastern Grass and Forb Seed/Plug April-October Native Wetland Restoration Native Meadow Retention Basin Low Maint Mix Seed/Plug April-October Native Meadow Native Woods w Rye Native Meadow Partially Shaded Native Mix Seed/Plug April-October Native Meadow Showy NE Native Mix Deer Resist Native Meadow lative Meadow Seed/Plug April-October Rain Garden Mix Native Meadow Seed/Plug April-October CBE,CBW Native Meadow Native Steep Slope with Rye Seed/Plug April-October lative Meadow Native Steep Slope with Oats Seed/Plug April-October Native Meadow Native Detention Area Mix Seed/Plug April-October Custom Mix Salt-tolerant, Shady Mix Seed/Plug April-October Custom Mix Native Low Meadow HCS **ESCRIPTION** rees, shrubs, vines, ferns, rasses, sedges, herbaceous lowering layer and ground oung trees, shrubs, ferns, rasses, sedges and herbaceous owering layer and groundcover stabilize oung trees, shrubs, ferns, rasses, sedges and herbaceous owering layer and groundcover stabilize hort native meadow pecies(grasses and herbaceous owering layer) rasses, sedges, herbaceous owering layer and ground oung trees, shrubs, ferns, rasses, sedges and herbaceous owering layer and groundcover stabilize PHASE TWO Manage Invasive Plant Species

> NOTE: FOR DETAILS OF SEED MIXES, REFER TO SEPARATE DOCUMENT ENTITLED "23-28 CREEK DRIVE SEED MIX COMPOSITION BREAKDOWN PER AREA"

NOTE: REFER TO SHEET 2 FOR IGHTING AND LANDSCAPE DETAILS

Landscape Restorations

TREE PROTECTION

- 1. Tree Protection shall be built around all trees designated by Owner. See LEGEND. This task shall be
- performed and/or supervised by an arborist associated with Landscape Designer. 2. Tree Protection shall be honored by General Contractor, and all Contractors, and remain in place for life
- 3. A penalty for tree damage and non-compliance with Tree Protection shall be discussed at first Site Meeting and written into GC contract and each penalty shall be billed to General Contractor.
- 4. Tree Protection is defined as sturdy stakes every 4' connected by strong fencing (not orange nylon
- fencing) built outside each CRZ(Critical Root Zone), with KEEP OUT:PROTECTED TREE signs. 5. CRZ is defined as extending from the trunk to just outside the Drip Line, or a distance of 1.5' per inch of
- DSH(Diameter at Standard Height), whichever is greater.
- 6. Under Penalty, the following activities are not allowed within the CRZ:
- a. Stockpiling of construction materials or demo debris b. Vehicle or equipment parking
- c. Trenching for utility installation or repair(unless pre-approved)
- d. Changing soil grade by cutting or filling
- e. Damaging of roots by grading, tearing or grubbing
- f. Compaction of soil by equipment, vehicles, material storage and/or foot traffic
- g. Contaminating soil from washing out equipment(especially concrete) and vehicle maintenance h. Attaching anything to trees with nails, screws and/or spikes
- Wound or break tree trunks or branches through contact with vehicles and heavy equipment
- Wound trunks by string weed trimmers and lawn mowers
- k. Cause injury by fire or excessive heat 7. Most tree roots over 4" are likely to be structural roots. Cutting these roots could cause future
- catastrophic failure. 8. Make all needed cuts to tree roots cleanly with sharp tools to encourage good wound closure; never tear

trimmers and mowers are always kept at bay and foot traffic is kept off the inner CRZ.

with a backhoe. 9. After project completion, maintain an "invisible" passive TPZ (Tree Protection Zone) around all important trees though-out their lives by maintaining a mulched, grass-free area around the tree so weed-

PLANTING and LANDSCAPE NOTES

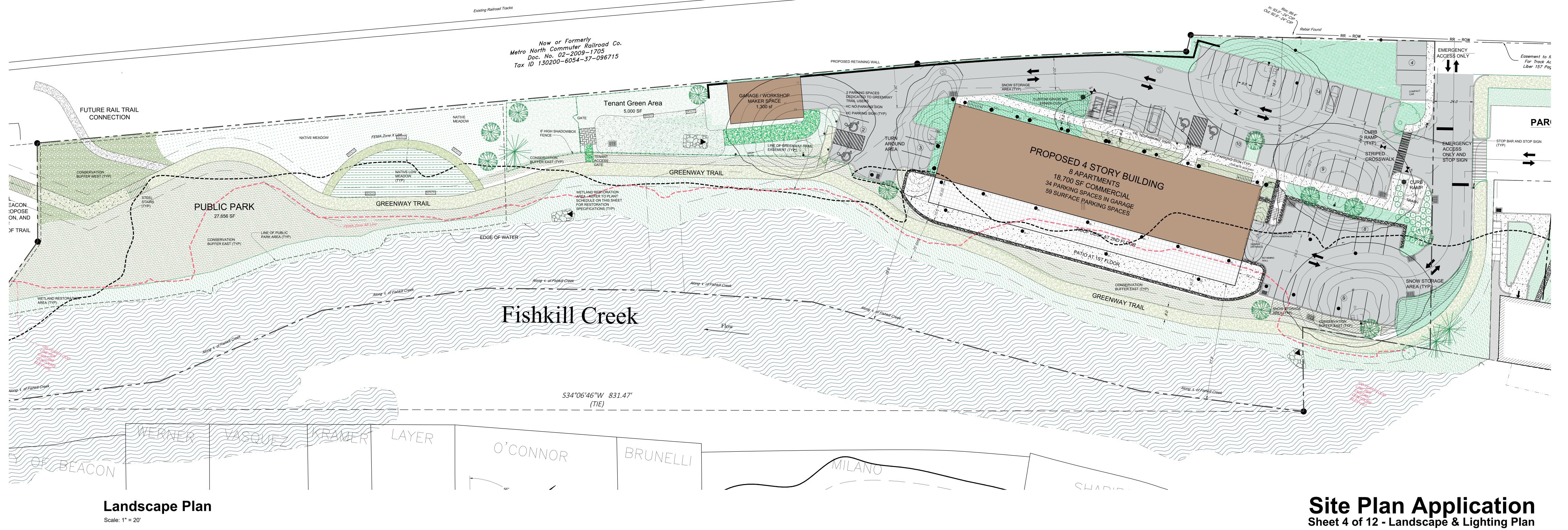
- 1. Tree Protection shall be honored and respected during construction phase (see separate Tree Protection Notes).
- 2. Woodland Area outside of work-scope shall be left intact other than the removal of dead, diseased and damaged trees in Phase One. In Phase Two (date to be determined), invasive management shall be implemented to begin select-removal of Black Locusts, Norway Maples, Ailanthus, Japanese
- Knotweed, Barberry, Rosa multiflora, Bittersweet and all invasive plant species. 3. Utmost care will be undertaken to protect the integrity of Fishkill Creek banks and steep slopes.
- 4. Absolutely no materials or liquids shall be dumped into Fishkill Creek or drains. 5. No non-native plant species shall be introduced onto the site. All species shall be indigenous to the northeast region of North America.
- 6. Disturbance of wild areas on the bank of Fishkill Creek created by construction of Greenway Trail require Conservation Buffers in order to help the areas heal and revert to native habitats. These areas are labeled as CBE(Conservation Buffer east of GT) and CBW(Conservation Buffer west of
- GT) and WR(Wetland Restoration). 7. If a straight specie is specified, no cultivars will be accepted without prior approval of designer.
- 8. In level graded areas, soil shall be prepped by removing all construction debris, loose roots and stones larger than 3". In steep slope areas, do not remove any naturally-occurring stones or rocks, as these aid in stabilizing the slope. All duff, plant debris and material such as leaves, twigs, etc, shall
- remain in soil.
- 9. Areas to be planted shall be marked and labeled by designer. 10. Each new tree hole tree shall be twice the width of the rootball.

Landscape Restorations

11. Plant all plants so top of rootball is slightly above surrounding native earth (or brought-in soil).

12. Burlap, wire, cords, ties and any wrapping materials must be removed from all rootballs before

- 13. No planting shall be done in muddy, rainy or frozen conditions.
- 14. Test tree-pit for drainage before planting. Do not plant tree in pit if water is still evident after one
- hour. Contact site engineer or landscape designer if this condition is encountered. 15. No plants will be accepted that display mechanical injury or specie irregularities.
- 16. All plants must be labeled when delivered to site.
- 17. If planting is delayed for more than 6 hours after delivery, set plants in shade. Protect from weather
- and mechanical damage. Keep roots moist and cover with mulch. 18. All tree-planting to be coordinated with as-built utilities. Trees to be located minimum of 5' from
- active lines.
- 19. All trees shall be balled and burlap unless otherwise specified on Plant List.
- 20. Contractor shall stake all plant locations and orientations in the field and obtain approval prior to
- 21. Contractor shall leave site neat and orderly during course of project, and store materials and
- equipment in owner-approved locations away from all trees and plants. 22. If site conditions conflict with intended design, contractor shall alert Owner.
- 23. Contractor shall enter and exit site through pre-approved routes only.
- 24. No substitutions are to be made without the written or verbal consent of landscape designer and
- 25. Create a size-specific water-well around each plant, 3- from center of tree, and mulch from the
- outside. Do not mulch crown. 26. Water thoroughly after planting each plant. Water schedule to be determined.
- 27. Spray for deer if planted in fall. Sometimes bucks mark their territory with their antlers.
- 28. Keep Bed weed-free until plant is established.



23 - 28 Creek Drive Beacon, New York Scale: As Noted